


**WHAT IS CLAIMED IS:**

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1. A distillate fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 100 wppm, a total aromatics content of about 15 to 35 wt.%, a polynuclear aromatics content of less than about 3 wt.%, and wherein the ratio of total aromatics to polynuclear aromatics is greater than about 11.
  2. The distillate fuel composition of claim 1 wherein the sulfur level is less than about 50 wppm.
  3. The distillate fuel composition of claim 2 wherein the sulfur level is less than about 10 wppm.
  - ~~4. The distillate fuel composition of claim 1 wherein the total aromatics content is from about 20 to 35 wt.%.~~
  5. The distillate fuel composition of claim 4 wherein the total aromatics content is from about 25 to 35 wt.%.
  6. The distillate fuel composition of claim 1 wherein the polynuclear aromatics content is less than about 2 wt.%.
  7. The distillate fuel composition of claim 6 wherein the polynuclear aromatics content is less than about 1 wt.%.
  8. The distillate fuel composition of claim 1 wherein the ratio of total aromatics to polynuclear aromatics is greater than about 13.
  9. The distillate fuel composition of claim 8 wherein the ratio of total aromatics to polynuclear aromatics is greater than about 15.

10. The distillate fuel composition of claim 4 wherein the sulfur level is less than about 50 wppm.
11. The distillate fuel composition of claim 10 wherein the sulfur level is less than about 10 wppm.
12. The distillate fuel composition of claim 5 wherein the sulfur level is less than about 50 wppm.
13. The distillate fuel composition of claim 12 wherein the sulfur level is less than about 10 wppm.
14. The distillate fuel composition of claim 6 wherein the sulfur level is less than about 50 wppm.
15. The distillate fuel composition of claim 14 wherein the sulfur level is less than about 10 wppm.
16. The distillate fuel composition of claim 7 wherein the sulfur level is less than about 50 wppm.
17. The distillate fuel composition of claim 16 wherein the sulfur level is less than about 10 wppm.
18. The distillate fuel composition of claim 8 wherein the sulfur level is less than about 50 wppm.
19. The distillate fuel composition of claim 18 wherein the sulfur level is less than about 10 wppm.

20. The distillate fuel composition of claim 9 wherein the sulfur level is less than about 50 wppm.

21. The distillate fuel composition of claim 20 wherein the sulfur level is less than about 10 wppm.

*22*  
22. A distillate fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 50 wppm, a total aromatics content of about 20 to 35 wt.%, a polynuclear aromatics content of less than about 2 wt.%, wherein the ratio of total aromatics to polynuclear aromatics is greater than about 13.

*23*  
23. The distillate fuel composition of claim *22* wherein the sulfur level is less than about 10 wppm.

*24*  
24. The distillate fuel composition of claim *22* wherein the total aromatics content is from about 25 to 35 wt.

*25*  
25. The distillate fuel composition of claim *22* wherein the polynuclear aromatics content is less than about 1.

*26*  
26. The distillate fuel composition of claim *22* wherein the ratio of total aromatics to polynuclear aromatics is greater than about 15.

*27*  
27. The distillate fuel composition of claim *27* wherein the sulfur level is less than about 10 wppm.

*28*  
28. The distillate fuel composition of claim *28* wherein the sulfur level is less than about 10 wppm.

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32. The distillate fuel composition of claim 28 wherein the sulfur level is less than about 10 wppm.

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33. An automotive distillate fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 10 wppm, a total aromatics content of about 25 to 35 wt.%, a polynuclear aromatics content of less than about 1 wt.%, wherein the ratio of total aromatics to polynuclear aromatics ranges from about 15 to about 25.

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34. A method for abating particulate and NOx emissions in a compression ignition engine comprising providing to the engine a fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 100 wppm, a total aromatics content of about 15 to 35 wt.%, a polynuclear aromatics content of less than about 3 wt.%, and wherein the ratio of total aromatics to polynuclear aromatics is greater than about 11.

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35. A fuel comprising a distillate boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 100 wppm, a total aromatics content of about 15 to 35 wt.%, a polynuclear aromatics content of less than about 3 wt.%, and wherein the ratio of total aromatics to polynuclear aromatics is greater than about 11, to which is added at least one of (i) one or more lubricity aid, (ii) one or more viscosity modifier, (iii) one or more antioxidant, (iv) one or more cetane improver, (v) one or more dispersant, (vi) one or more cold flow improver, (vii) one or more metals deactivator, (viii) one or more corrosion inhibitor, (ix) one or more detergent, and (x) one or more distillate or upgraded distillate.